

From: [Mcburney, Jonathan D](#)
To: [Coltrain, Katrina](#); [jonathan.d.mcburney](#); [pappel@eaest.com](#); [jonathan.d.mcburney](#); "[Patti Riggs](#)"
Cc: [lvega_eaest.com](#); [Kady, Thomas](#); [Turner, Philip](#)
Subject: RE: EXTERNAL: 3476 6Beacon PSG Results
Date: Thursday, September 15, 2016 1:55:35 PM

Katrina,

I heard from Harry O'Neil at Beacon that they do have a Rule of Thumb and some uptake rates based on empirical data. He and I are going to discuss how to attempt to interpret the data based on their previous information. That being said, they will still be supplying the maps in "mass" not concentration. I will pass on what I learn to the group.

Thanks,

Jon

From: Coltrain, Katrina [<mailto:coltrain.katrina@epa.gov>]
Sent: Thursday, September 15, 2016 2:30 PM
To: [jonathan.d.mcburney](#) <jonathan.d.mcburney@leidos.com>; [pappel@eaest.com](#); [jonathan.d.mcburney](#) <jonathan.d.mcburney@leidos.com>; 'Patti Riggs' <patti.riggs@beacon-usa.com>
Cc: [lvega_eaest.com](#) <lvega@eaest.com>; Kady, Thomas <Kady.Thomas@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>
Subject: RE: EXTERNAL: 3476 6Beacon PSG Results

All, our risk assessor has worked with Beacon previously and he indicated the Beacon possibly has a conversion equation/process established or available. I am not looking to use the passive gas data to compare with screening numbers, but I would like to know what the estimate or general magnitude of concentrations are. If Beacon has this available, we are interested in it.

Katrina Higgins-Coltrain
Remedial Project Manager
US EPA Region 6
LA/OK/NM Section (6SF-RL)
1445 Ross Avenue
Dallas, Texas 75202
214-665-8143

From: Mcburney, Jonathan D [<mailto:Jonathan.D.McBurney@leidos.com>]
Sent: Thursday, September 15, 2016 1:03 PM
To: [pappel@eaest.com](#); [jonathan.d.mcburney](#) <jonathan.d.mcburney@leidos.com>; 'Patti Riggs' <patti.riggs@beacon-usa.com>
Cc: [lvega_eaest.com](#) <lvega@eaest.com>; Coltrain, Katrina <coltrain.katrina@epa.gov>; Kady, Thomas <Kady.Thomas@epa.gov>

Subject: RE: EXTERNAL: 3476 6Beacon PSG Results

Pat,

As this sampling type was requested by others and we simply installed the samplers and purchased the analyses, I do not have any extra information besides the raw results. We normally perform soil gas with real time instrumentation (PIDs), tedlar bags with TO-15 analyses, or summa cannisters. Those three methods all yield "concentration" data. The issue with passive samplers is that they simply accumulate mass during the period of installation.

There is a way outside chance that perhaps Beacon has a "rule of thumb" or estimation method, but I would not be comfortable putting concentrations to the mass numbers.

Jon

From: Appel, Patrick [<mailto:pappel@eaest.com>]

Sent: Thursday, September 15, 2016 12:30 PM

To: Mcburney, Jonathan D <Jonathan.D.McBurney@leidos.com>; 'Patti Riggs' <patti.riggs@beacon-usa.com>

Cc: Vega, Luis <lvega@eaest.com>; 'Coltrain, Katrina' <coltrain.katrina@epa.gov>; Kady, Thomas (<Kady.Thomas@epa.gov> <Kady.Thomas@epa.gov>

Subject: RE: EXTERNAL: 3476 6Beacon PSG Results

John – the data is reported in mass, is there a conversion to report estimated concentrations? If so, would it be possible to receive a report showing concentrations?

Thank you

Pat

From: Mcburney, Jonathan D [<mailto:Jonathan.D.McBurney@leidos.com>]

Sent: Thursday, September 15, 2016 8:32 AM

To: 'Patti Riggs' <patti.riggs@beacon-usa.com>

Cc: Vega, Luis <lvega@eaest.com>; Appel, Patrick <pappel@eaest.com>; 'Coltrain, Katrina' <coltrain.katrina@epa.gov>; Kady, Thomas (<Kady.Thomas@epa.gov> <Kady.Thomas@epa.gov>

Subject: RE: EXTERNAL: 3476 6Beacon PSG Results

Patti,

If at all possible, we would like all compounds mapped, and if possible, broken into three areas, ETF, WPA, and LPA.

Thanks,

Jon McBurney

From: Patti Riggs [<mailto:patti.riggs@beacon-usa.com>]
Sent: Wednesday, September 14, 2016 2:28 PM
To: Mcburney, Jonathan D (US N-Leidos_Civil) <jonathan.d.mcburney@lmco.com>
Cc: Ryan Schneider <ryan.schneider@beacon-usa.com>; Harry O'Neill <harry.oneill@beacon-usa.com>
Subject: EXTERNAL: 3476 6Beacon PSG Results

Jon,

Attached you will find an Excel spreadsheet and an Adobe PDF file with passive soil-gas results from the recently completed PSG survey at the Wilcox Oil Company Superfund Site in Bristow, OK-Beacon Project 3476.

What compounds or groupings would you like to map?

Best Regards,

Patti Riggs

Quality Manager

Beacon Environmental Services, Inc.

2203A Commerce Road, Suite 1 | Forest Hill, MD 21050 USA

phone: 410-838-8780 ext 111 | fax: 410-838-8740

Email: Patti.Riggs@Beacon-USA.com

Web: www.Beacon-USA.com

"Expect the Best from Beacon"

PSG Sampling Procedures Video: <https://vimeo.com/74496526>

DoD ELAP/ISO/IEC 17025:2005 Accredited Laboratory for Soil Gas and Air Analyses

TNI NEFAP Accredited Field Sampling Organization

Accreditation No. 72690

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